Arizona's 2002 303(d) List – Final

(ADEQ submittal and EPA additions)

Surface Water Name Segment Description	Waterbody ID	Pollutants of Concern Causing Impairment
Bill Williams Watershed		
Alamo Lake	AZL15030204-0040	High pH, sulfide, and low dissolved oxygen Hg (added by EPA)
Boulder Creek headwaters-Wilder Creek	AZ15030202-006	Fluoride
Boulder Creek Wilder Creek-Copper Creek	AZ15030202-005A	Arsenic, copper, and zinc
Colorado - Grand Canyon Watershed		
Colorado River Parashant-Diamond Creek	AZ15010002-003	Turbidity
Virgin River Beaver Dam Wash-Big Bend Wash	AZ15010010-003	Turbidity and fecal coliform
Little Colorado River - San Juan Watershed		
Little Colorado River Porter Tank-McDonalds Wash	AZ15020008-017	Copper and silver
Lake Mary–Upper	AZL 15020015-0900	Hg (added by EPA)
Lake Mary–Lower	AZL 15020015-0890	Hg (added by EPA)
Middle Gila Watershed		
Gila River Centennial Wash-Gillespie Dam	AZ15070101-008	Boron (for one segment)
Gila River Salt River/Agua Fria dwnstrm to Sand Tank	AZ15070101-015 to 005	many segments here; DDT metabolites, chlordane and toxaphene (added by EPA)
Gila River Painted Rocks Reservoir	AZ15070101-1020	one segment here; DDT metabolites, chlordane and toxaphene (added by EPA)
Hassayampa River Buckeye Canal-Gila River	AZ15070103-001B	one segment here; DDT metabolites, chlordane and toxaphene (added by EPA)
Salt River 23rd Ave WWTP–Gila River	AZ15060106-B 001D	one segment here; DDT metabolites, chlordane and toxaphene (added by EPA)
French Gulch headwaters-Hassayampa River	AZ15070103-239	Copper, manganese and zinc
Hassayampa River headwaters-Copper Creek	AZ15070103-007A	Zinc

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Surface Water Name Segment Description	Waterbody ID	Pollutants of Concern Causing Impairment
Mineral Creek Devils Canyon-Gila River	AZ15050100-012B	Beryllium, copper, zinc, and low pH
Queen Creek headwaters-Superior Mine WWTP	AZ15050100-014A	Copper
Turkey Creek headwaters-Poland Creek	AZ15070102-036	Cadmium, copper, and zinc
Colorado - Lower Gila Watershed		
Painted Rocks Borrow Pit Lake	AZL 15070201-1010	Low dissolved oxygen and high fecal coliform; DDT metabolites, chlordane and toxaphene (added by EPA)
Salt Watershed		
Christopher Creek headwaters-Tonto Creek	AZ15060105-353	Turbidity
Tonto Creek headwaters-Haigler Creek	AZ15060105-013	Turbidity
Tonto Creek Rye Creek-Gun Creek	AZ15060101-048	Turbidity
Crescent Lake	AZL 15060101-0420	pH
San Pedro - Willcox Playa - Rio Yaqui Watershed		
Mule Gulch headwaters-Bisbee WWTP discharge	AZ15080301-090A	Copper and zinc; pH (added by EPA)
Mule Gulch Bisbee WWTP discharge-Whitewater Draw	AZ15080301-090B	Copper, low pH, and zinc
San Pedro River Dragoon Wash-Tres Alamos Wash	AZ15050202-002	Nitrate
Santa Cruz - Rio Magdalena - Rio Sonoyta Watershed		
Alum Gulch headwaters-ephemeral reach	AZ15050301-581A	Cadmium, copper, and zinc; pH (added by EPA)
Harshaw Creek headwaters-ephemeral reach	AZ15050301-025A	Zinc
Nogales and East Nogales Washes Mexico border-Potrero Creek	AZ15050301-011	Chlorine, turbidity, and fecal coliform
Potrero Creek Interstate 19-Santa Cruz River	AZ15050301-500B	Fecal coliform

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Santa Cruz River Mexico border-Nogales International WWTP discharge	AZ15050301-010	Escherichia coli and fecal coliform
Santa Cruz River Nogales International WWTP discharge-Josephine Canyon	AZ15050301-009	Fecal coliform.
Santa Cruz River Josephine Canyon-Tubac Bridge	AZ15050301-008A	Fecal coliform and turbidity.
Santa Cruz River Tubac Bridge-Sopori Wash	AZ15050301-008B	Fecal coliform
Three R Canyon headwaters-ephemeral segment	AZ15050301-558A	Cadmium, copper, and zinc; pH (added by EPA)
Upper Gila Watershed		
Gila River Bonita Creek-Yuma Wash	AZ15040005-022	Turbidity
San Francisco River Limestone Gulch-Gila River	AZ15040004-001	Turbidity
Verde River Watershed		
Beaver Creek Dry Beaver-Verde River	AZ15060202-002	Turbidity
Oak Creek West Fork Oak Creek-Dry Creek	AZ15060202-018B	Turbidity
Granite Basin Lake	AZL 15060202-0580	DO (added by EPA)
Whitehorse Lake	AZL 15060202-1630	DO (added by EPA)

* Including any tributary contributing loadings to the surface water listed, as determined during the TMDL.

PART 5. SURFACE WATERS ASSESSED AS IMPAIRED
The 2002 303(d) List Submission to EPA
(At least one designated use is "impaired")

ADEQ List submitted

Surface Water Name Segment Description	Waterbody ID	Pollutants of Concern Causing Impairment (Other concerns to investigate shown in parenthesis)
Bill Williams Watershed		
Alamo Lake	AZL15030204-0040	High pH, sulfide, and low dissolved oxygen (Mercury in fish tissue may indicate a narrative toxic standard violation. Note that a fish consumption advisory has not been issued.)
Boulder Creek headwaters-Wilder Creek	AZ15030202-006	Fluoride (Missing core parameters.)
Boulder Creek Wilder Creek-Copper Creek	AZ15030202-005A	Arsenic, copper, and zinc (Missing core parameters. Beryllium concentrations will meet standards submitted to EPA in 2002 for approval.)
Colorado - Grand Canyon Watershed		
Colorado River Parashant-Diamond Creek	AZ15010002-003	Turbidity (Missing core parameters.)
Virgin River Beaver Dam Wash-Big Bend Wash	AZ15010010-003	Turbidity and fecal coliform (E. coli exceeded standards in 1 of 5 samples and missing core parameters.)
Colorado - Lower Gila Watershed		
Painted Rocks Borrow Pit Lake	AZL15070201-1010	Low dissolved oxygen and high fecal coliform (Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation.)
Little Colorado River - San Juan Watershed		
Little Colorado River Porter Tank-McDonalds Wash	AZ15020008-017	Copper and silver (Need current monitoring data to assess all designed uses.)
Middle Gila Watershed		
French Gulch headwaters-Hassayampa River	AZ15070103-239	Copper manganese and zinc (Missing core parameters. Beryllium concentrations will meet standards submitted to EPA in 2002 for approval.)
Gila River Centennial Wash-Gillespie Dam	AZ15070101-008	Boron (Fish advisory due to DDT metabolites, toxaphene, dieldrin and chlodane in fish tissue may indicate a narrative toxic standard violation. Beryllium concentrations will meet standards submitted to EPA in 2002 for approval.)
Hassayampa River headwaters-Copper Creek	AZ15070103-007A	Zinc (Dissolved copper exceeded standards in 1 out of 3 samples.)
Mineral Creek Devils Canyon-Gila River	AZ15050100-012B	Beryllium, copper, zinc, and low pH (Missing core parameters.)
Queen Creek headwaters-Superior Mine WWTP	AZ15050100-014A	Copper (Missing core parameters.)
Turkey Creek headwaters-Poland Creek	AZ15070102-036	Cadmium, copper, and zinc (Arsenic exceeded standards in 3 out of 5 samples, lead exceeded standards in 1 out of 5 samples, and missing core parameters.)
Salt Watershed		
Christopher Creek headwaters-Tonto Creek	AZ15060105-353	Turbidity (E. coli exceeded standards once and missing core parameters.)
Tonto Creek headwaters-Haigler Creek	AZ15060105-013	Turbidity (Need more samples to determine whether monthly mean standards is being met. Beryllium concentrations will meet standards submitted to EPA in 2002 for approval.)
Tonto Creek Rye Creek-Gun Creek	AZ15060101-048	Turbidity
San Pedro - Willcox Playa - Rio Yaqui Watershed		

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Surface Water Name Segment Description	Waterbody ID	Pollutants of Concern Causing Impairment (Other concerns to investigate shown in parenthesis)
Mule Gulch headwaters-Bisbee WWTP discharge	AZ15080301-090A	Copper and zinc (pH did not meet standards in 7 out of 15 samples.)
Mule Gulch Bisbee WWTP discharge-Whitewater Draw	AZ15080301-090B	Copper, low pH, and zinc
San Pedro River Dragoon Wash-Tres Alamos Wash	AZ15050202-002	Nitrate (Need current monitoring data will all core parameters. Turbidity and fecal coliform have exceeded standards in older data.)
Santa Cruz - Rio Magdalena - Rio Sonoyta Watershed		
Alum Gulch headwaters-ephemeral reach	AZ15050301-581A	Cadmium, copper, and zinc (pH did not meet standards in 7 out of 7 samples. Missing core parameters.)
Harshaw Creek headwaters-ephemeral reach	AZ15050301-025A	Zinc (Dissolved copper and pH did not meet standards in 1 out of 9 samples, and missing core parameters.)
Nogales and East Nogales Washes Mexico border-Potrero Creek	AZ15050301-011	Chlorine, turbidity, and fecal coliform
Potrero Creek Interstate 19-Santa Cruz River	AZ15050301-500B	Fecal coliform (Missing core parameters.)
Santa Cruz River Mexico border-Nogales International WWTP discharge	AZ15050301-010	Escherichia coli and fecal coliform (Turbidity exceeded standards in 2 out of 9 samples. Beryllium concentrations will meet standards submitted to EPA for approval in 2002.)
Santa Cruz River Nogales International WWTP discharge-Josephine Canyon	AZ15050301-009	Fecal coliform. (Fish abnormalities documented by the US Fish and Wildlife Service may indicate a narrative toxic standard violation. Missing core parameters.)
Santa Cruz River Josephine Canyon-Tubac Bridge	AZ15050301-008A	Fecal coliform and turbidity. (Fish abnormalities documented by the US Fish and Wildlife Service may indicate a narrative toxic standard violation. Missing core parameters.)
Santa Cruz River Tubac Bridge-Sopori Wash	AZ15050301-008B	Fecal coliform (Missing core parameters.)
Three R Canyon headwaters-ephemeral segment	AZ15050301-558A	Cadmium, copper, and zinc (pH did not meet standards in 8 out of 9 samples. Beryllium concentrations will meet standards submitted to EPA for approval in 2002. Missing core parameters.)
Upper Gila Watershed		
Gila River Bonita Creek-Yuma Wash	AZ15040005-022	Turbidity
San Francisco River Limestone Gulch-Gila River	AZ15040004-001	Turbidity
Verde River Watershed		
Beaver Creek Dry Beaver-Verde River	AZ15060202-002	Turbidity (Missing core parameters.)
Oak Creek West Fork Oak Creek-Dry Creek	AZ15060202-018B	Turbidity

* Including any tributary contributing loadings to the surface water listed, as determined during the TMDL.